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(54) CONTROLLER FOR ELECTRIC AUTOMOBILE

(57)Abstract:

PURPOSE: To enhance safety by constituting a controller, for feeding power to a plurality of motors for driving the tires of an automobile individually, of three or more microprocessors, mutually monitoring the operating condition thereof, and stopping the automobile upon occurrence of abnormality.

CONSTITUTION: A controller 6 commands an inverter 4 to subject the output of a battery 5 to VVVF conversion and drives left and right motors 3a, 3b individually thus rotating left and right wheels 1a, 1b. The controller 6 receives various signals required for operation and comprises a vehicle microprocessor CPU8, CPUs 9a, 9b for left and right motors and a failsafe circuit 10, and the controller 6 outputs operation results to control the inverter 4. The CPUs 8, 9a, 9b mutually monitor runaway where the failsafe circuit 10 outputs an operation command if two or more CPUs are normal whereas outputs a stop signal if only one CPU is normal. According to the constitution, highly safe running is realized.

